

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Kazuhiro WAKAO et al.

Application No.: New U.S. Patent Application

Filed: January 15, 2004

Docket No.: 117561

For: INTERNAL COMBUSTION ENGINE AND METHOD OF OPERATING INTERNAL  
COMBUSTION ENGINE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☒ 2. Relevance of the non-English language references 1-5 is discussed in the present specification.
- ☒ 3. A concise explanation of the relevance of the non-English language references 1 and 4-5 appears in the Appendix attached hereto.
- ☒ 4. English-language Abstracts of the non-English language references 1-5 are attached hereto.

- ☒ 5. A computer-generated English translation of the following Japanese Patent Publications have been obtained from the website of the Japanese Patent Office (<http://www.jpo.go.jp>), and are attached, but have not been reviewed for accuracy. See References 1-5.

Respectfully submitted,



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Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 117561		APPLICATION NO. New U.S. Patent Application	
INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)				APPLICANTS Kazuhiro WAKAO et al.			
				FILING DATE January 15, 2004			

  

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS

  

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
	1	JP A 11-92102 w/abstr. + trans.	04/06/1999	Japan		
	2	JP A 9-21362 w/abstr. + trans.	01/21/1997	Japan		
	3	JP A 2002-179405 w/abstr. + trans.	06/26/2002	Japan		
	4	JP A 2002-154807 w/abstr. + trans.	05/28/2002	Japan		
	5	JP A 2000-281307 w/abstr. + trans.	10/10/2000	Japan		

  

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
	6	Kirwan et al., "Advanced Engine Management Using On-Board Gasoline Partial Oxidation Reforming for Meeting Super-ULEV (SULEV) Emissions Standards," Society of Automotive Engineers, Inc., pp. 1-14, 1999
	7	Kirwan et al., "Fast Start-Up On-Board Gasoline Reformer for Near Zero Emissions in Spark-Ignition Engines," Society of Automotive Engineers, Inc., pp. 1-12, 2002
	8	Quader et al., "Engine Performance and Emissions near the Dilute Limit with Hydrogen Enrichment using an On-Board Reforming Strategy," SAE International, pp. 1-10, 2003

  

EXAMINER	DATE CONSIDERED
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Date: January 15, 2004

APPENDIX

List of Related Art for IDS

Japanese Patent Publication	File Date	Publication Date	Comments
JP-09-21362	1995/7/6	1997/1/21	Cited as a related-art reference in the specification
JP-2002-179405	2000/12/12	2002/6/26	Cited as a related-art reference in the specification
JP-11-92102	1998/7/8	1999/4/6	A technology providing a base of the invention
JP-2000-281307	1999/3/31	2000/10/10	A technology providing a base of the invention
JP-2002-154807	2000/11/16	2002/5/28	A technology providing a base of the invention

Document			
SAE 1999-01-2927			
SAE 2002-01-1011			
SAE 2003-01-1356			